

pAS2 Insert	Colony Color		
	pGAD GH Insert		
	PIN1	PIN2	PIN3
NIMA	Blue	Blue	Blue
K40M NIMA	Blue	Blue	Blue
NIMA280-699	Blue	Blue	White
NLK1	White	White	Blue
NIMA280-699FS	White	White	White

FIG. 1A

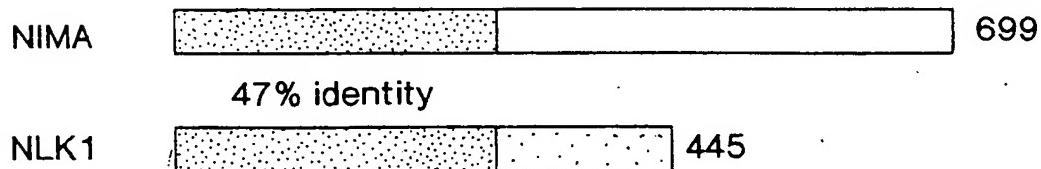


FIG. 1B

TGCTGGCCAGCACCTCGAGGGAAAG

1	ATGGCGGACGAGGAGAAGCTGCCGCCGGCTGGAGAACGCGATGAGCCGCAGCTCAGGC M A D E E K L P P G W E K R M S R S S G	20
61	CGAGTGTACTACTCAACCACATCACTAACGCCAGCCAGTGGGAGCGGCCAGCGGCAAC R V Y Y F N H I T N A S Q W E R P S G N	40
121	AGCAGCAGTGGTGGCAAAAACGGGCAGGGGGAGCCTGCCAGGGTCCGCTGCCACCTG S S S G G K N G Q G E P A R V R C S H L	60
181	CTGGTGAAGCACAGCCAGTCACGGCGGCCCTCGTCCCTGGCGGCAGGAGAACATCACCCGG L V K H S Q S R R P S S W R Q E K I T R	80
241	ACCAAGGAGGAGGCCCTGGAGCTGATCAACGGCTACATCCAGAACATCAAGTCGGAGAG T K E E A L E L I N G Y I Q K I K S G E	100
301	GAGGACTTTGAGTCTCTGGCCTCACAGTTAGCGACTGCAGCTCAGCCAAGGCCAGGGGA E D F E S L A S Q F S D C S S A K A R G	120
361	GACCTGGTGCCCTTCAGCAGAGGTAGATGCAGAACCCATTGAAGACGCCCTCGTTGCG D L G A F S R G Q M Q K P F E D A S F A	140
421	CTGCGGACGGGGAGATGAGCGGGCCGTGTTACGGATTCCGGCATCCACATCATCCTC L R T G E M S G P V F T D S G I H I I L	160
481	CGCACTGAGTGAGGGTGGGAGCCCAGGCCTGGCCTGGGCAGGGCAGGGCGGCTAGGC R T E *	
541	CGGCCAGCTCCCCCTTGCCGCCAGCCAGTGGCGAACCCCCCACTCCCTGCCACCGTCA	
601	CACAGTATTTATTGTTCCCACAATGGCTGGAGGGGCCCTTCCAGATTGGGGCCCTGG	
661	GGTCCCCACTCCCTGTCCATCCCCAGTTGGGCTGCAGCCAGATTCTCCCTTAAGGA	
721	ATTGACTTCAGCAGGGTGGGAGGCTCCAGACCCAGGGCAGTGTGGTGGAGGGTGT	
781	CCAAAGAGAAGGCCCTGGTCAGCAGAGCCCCCCGTGTCCCCCAGGTGCTGGAGGCAGAC	
841	TCGAGGGCCGAATTGTTCTAGTTAGGCCACGCTCCTGTTCAGTCGAAAGGTGAACA	
901	CTCATGCGGAGCCATGGCCCTCTGAGCAACTGTGCAGACCCCTTCACCCCCAATTAAA	
961	CCCAGAACCACTAAAAAAAAAAAAAA	

FIG. 2A

FIG. 2B

FIG. 2C

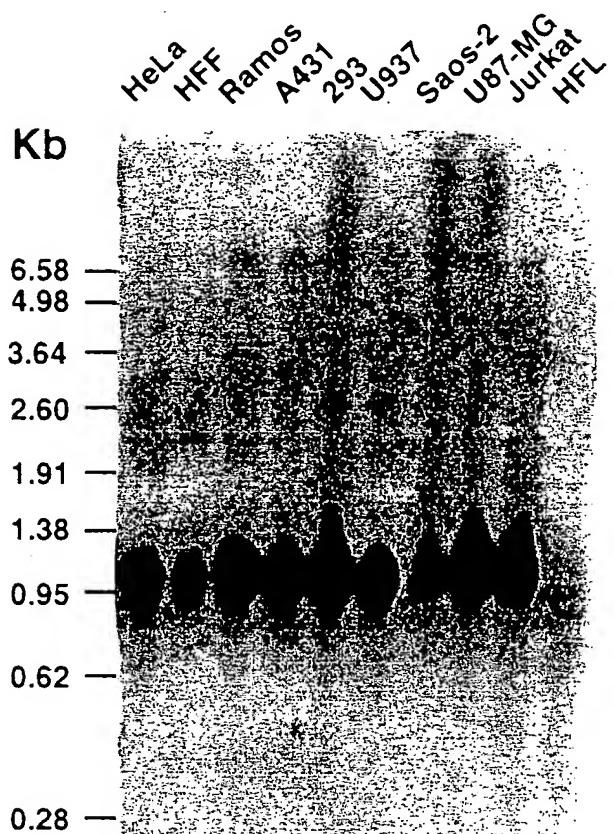
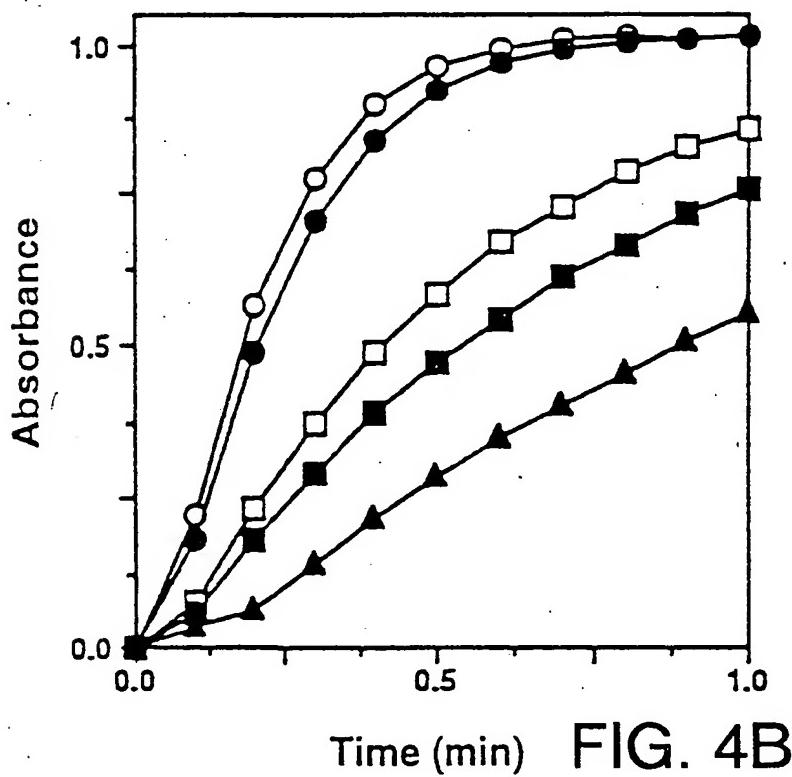
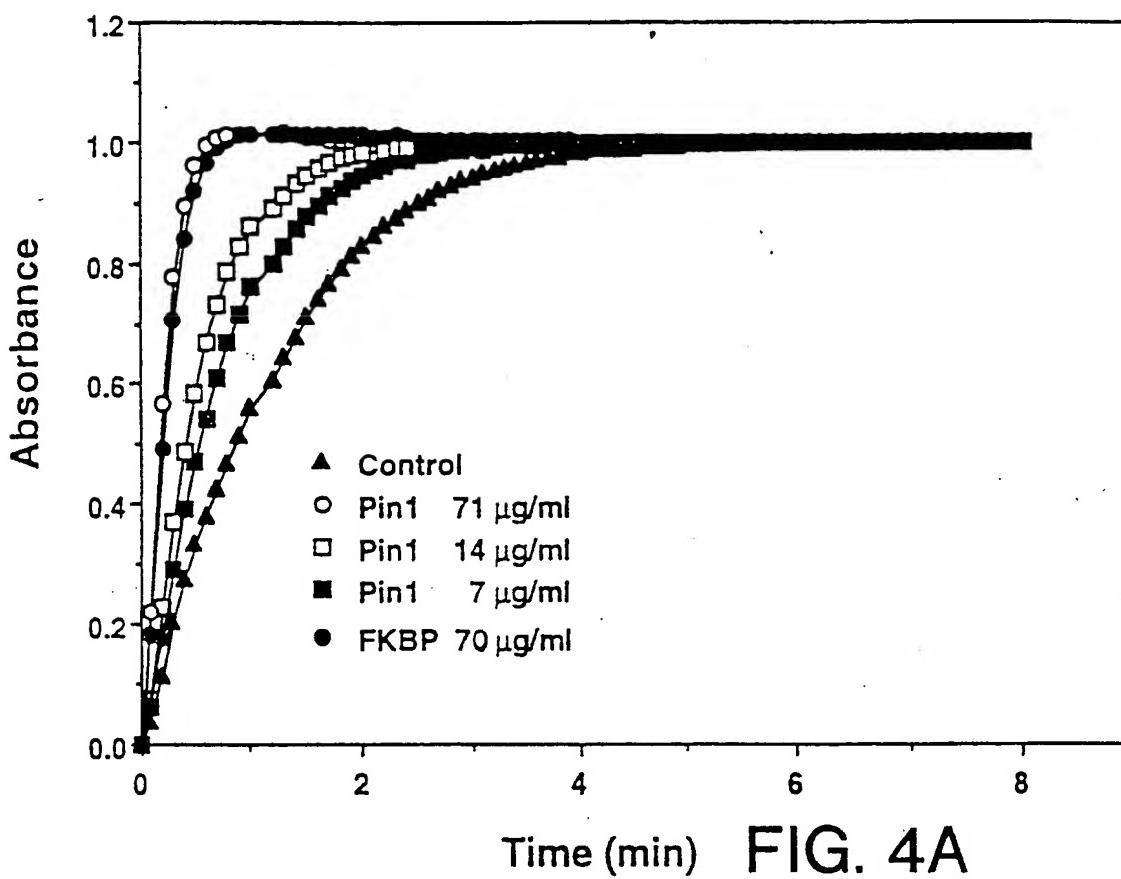
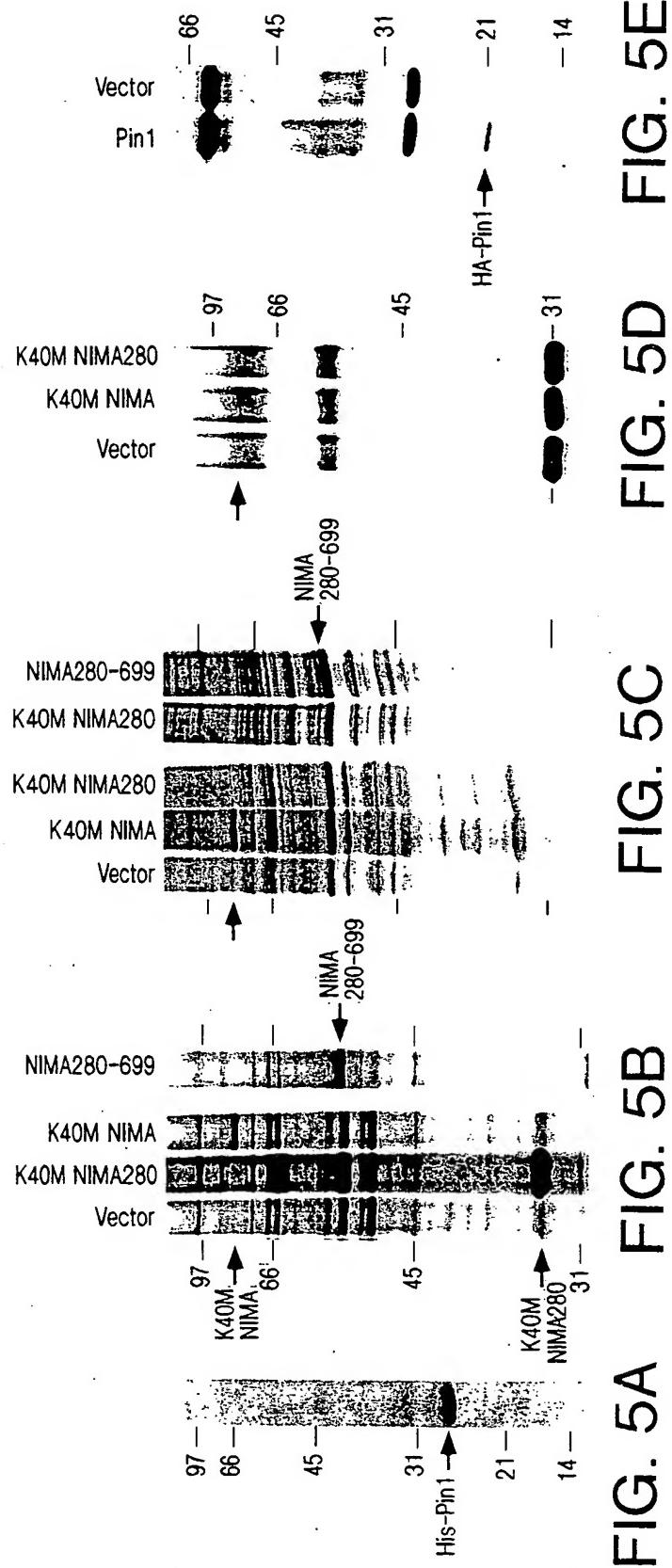


FIG. 3

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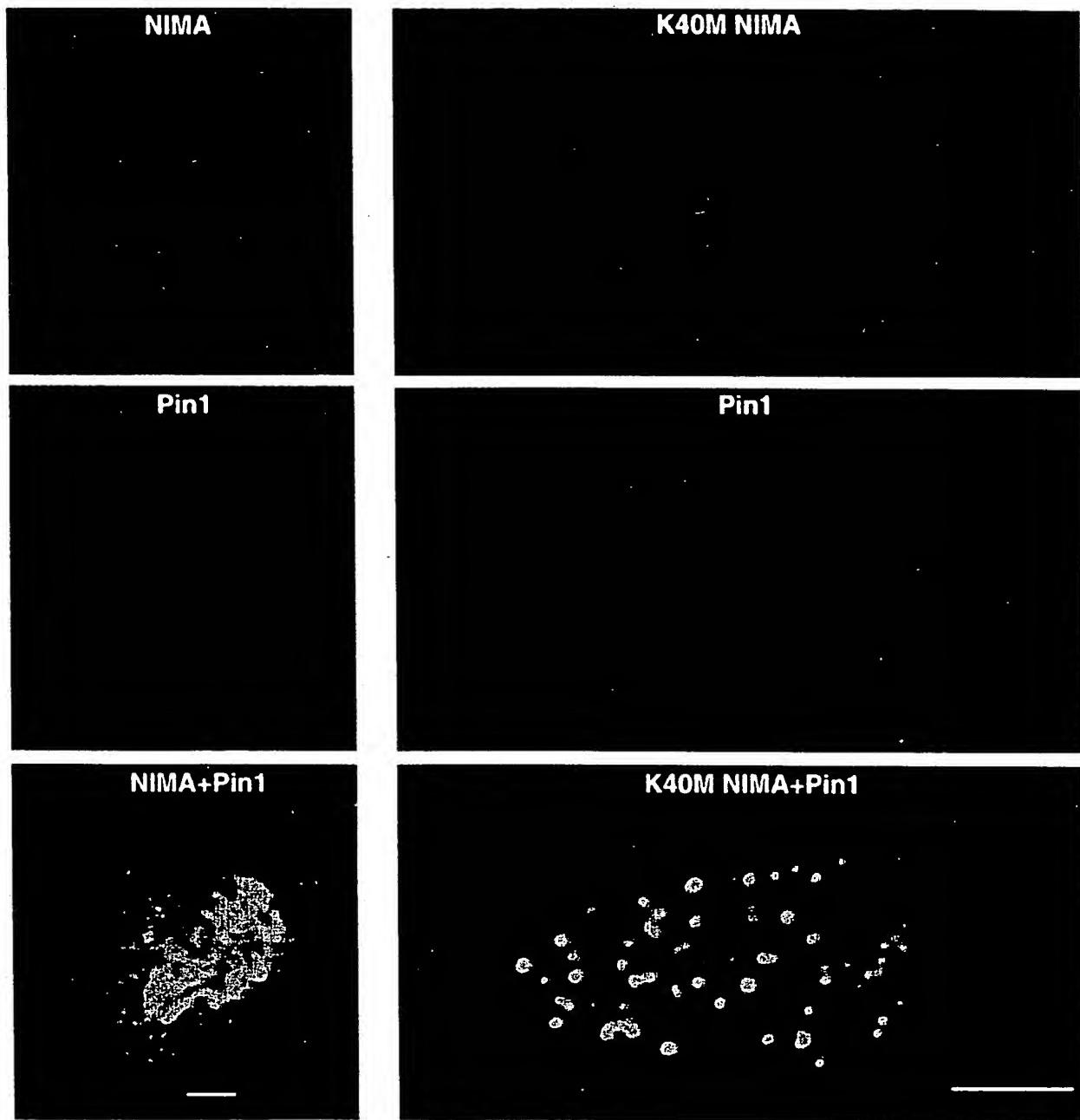


FIG. 6

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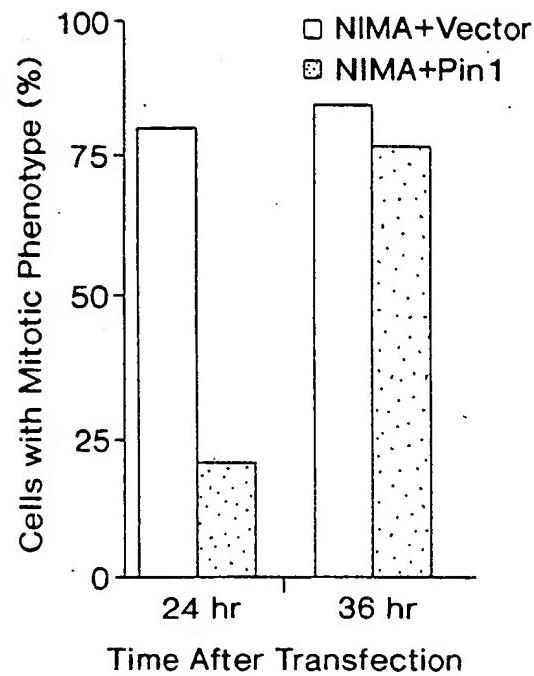


FIG. 7A

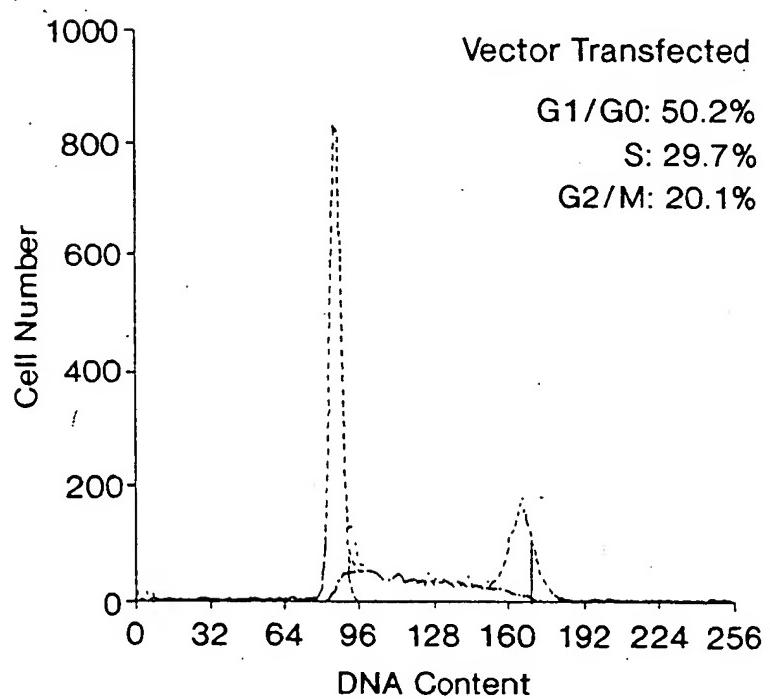


FIG. 7B

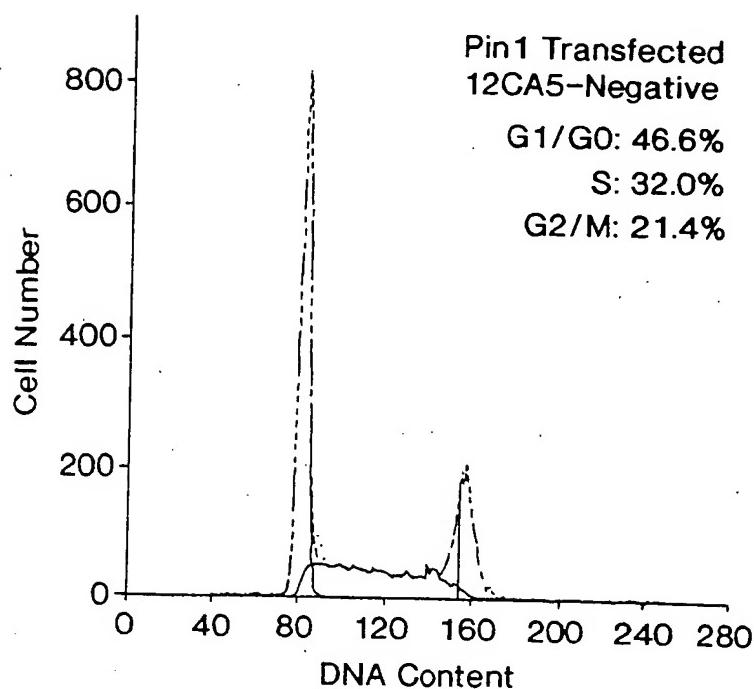


FIG. 7C

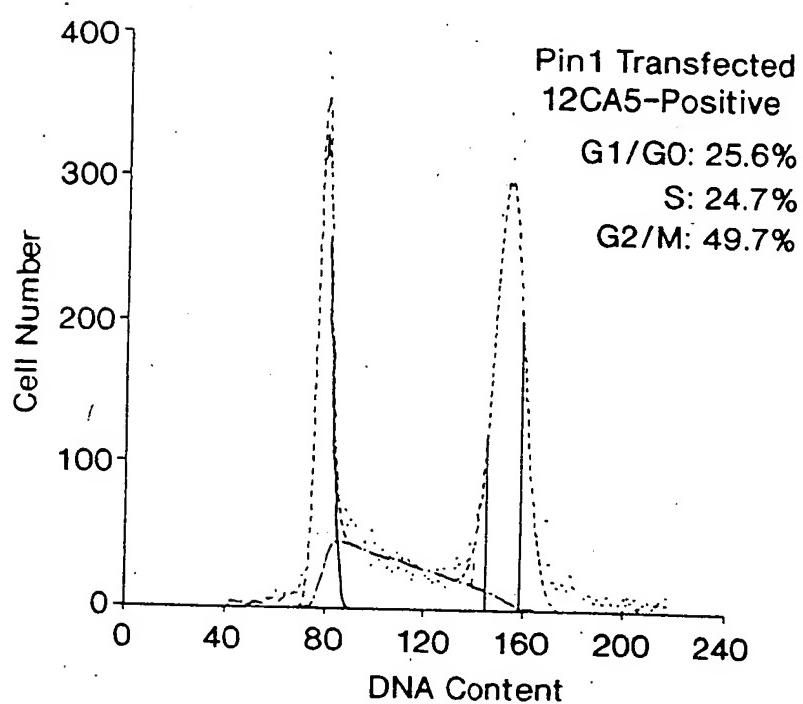
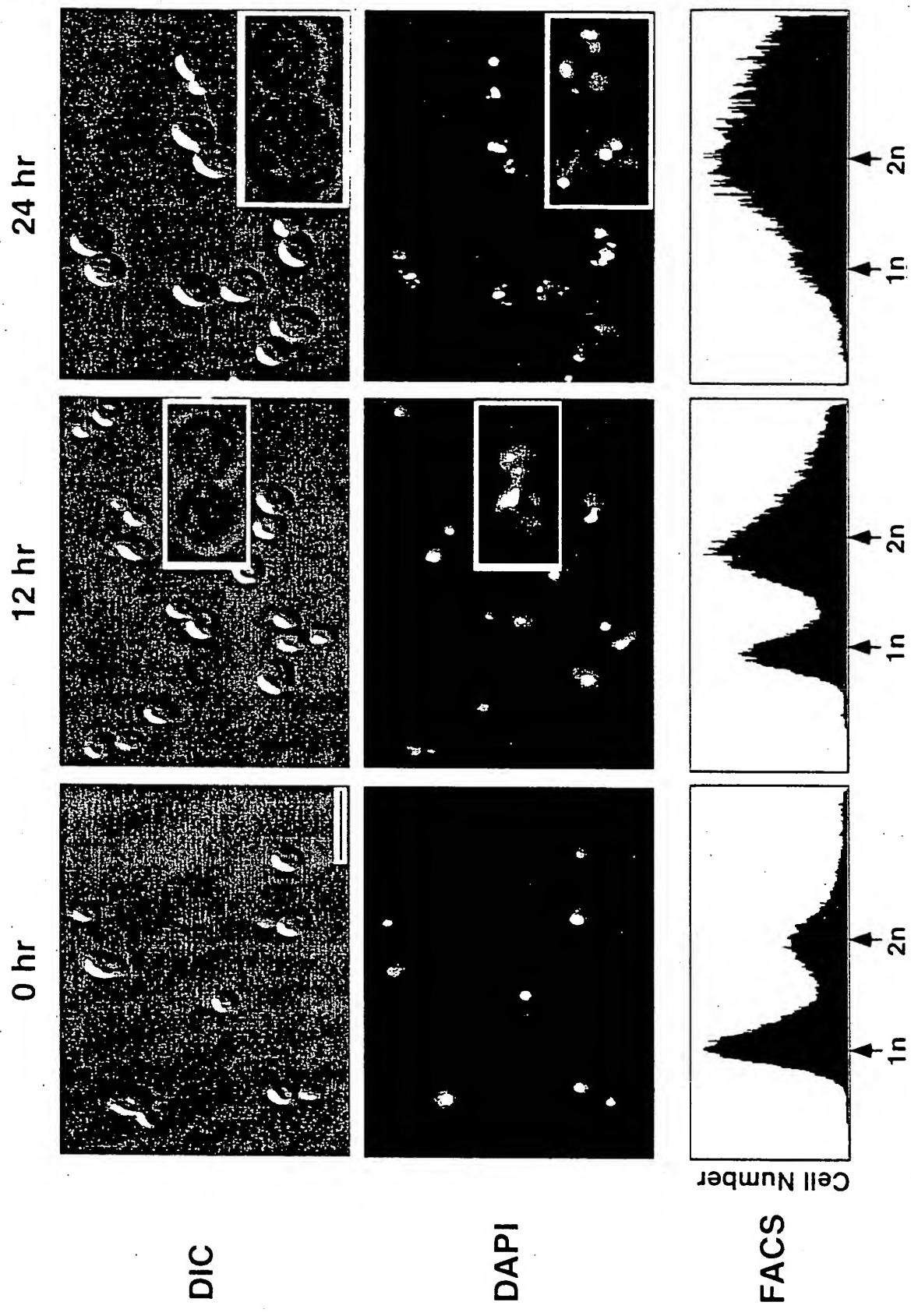


FIG. 7D



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FIG. 8